

(12) United States Patent

Mitsutake et al.

US 9,636,849 B2 (10) Patent No.:

(45) **Date of Patent:** May 2, 2017

(54) MOLD RELEASE AGENT FOR WATER GLASS-CONTAINING SAND MOLD **MOLDING**

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 14/767,748

(22) PCT Filed: Oct. 24, 2014

(86) PCT No.: PCT/JP2014/078378

§ 371 (c)(1),

Aug. 13, 2015 (2) Date:

(87) PCT Pub. No.: WO2015/064506

PCT Pub. Date: May 7, 2015

(65)**Prior Publication Data**

> US 2016/0236267 A1 Aug. 18, 2016

(30)Foreign Application Priority Data

Oct. 28, 2013 (JP) 2013-223678

(Continued)

(51) Int. Cl.

(2006.01)B29C 33/60

(2006.01)

B22C 3/00

(52) U.S. Cl.

CPC B29C 33/60 (2013.01); B22C 3/00 (2013.01); C07C 55/02 (2013.01); C08G 77/04

(2013.01);

(Continued)

Field of Classification Search

None

See application file for complete search history.

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ABSTRACT (57)

[Task] There is provided a mold release agent for forming a water glass-containing sand mold with high release properties which can prevent attachment of a water glass to a flask and the accumulation of the water glass on the flask in the formation of the sand mold when using the water glass as a binder.

[Solution] The mold release agent for forming the water glass-containing sand mold is structured to contain an organic compound, the organic compound having a proton-(Continued)

 $NaO \cdot nSiO_2 \cdot xH_2O + 2R-H \rightarrow nSiO_2 + (x+1)H_2O + 2R-Na$

Proton-donating Silicon dioxide Water glass Functional group

Water Organic salt

High adhesive properties

No adbesive properties